MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited and admitted for Rs. .....

Passed by Cheque for Rs. .....

.....

.....

by adjustment for Rs. .....

Accounts Superintendent

Executive Engineer
B.B.M.P. Dasarahalli Division

Road Bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

No. .....

Name of work Improvements to roads and drains at 4th and 5th cross 60808
manjunathanagara in ward no. 14 (Bagalagunte)

Name of Contractor of nature of Agency..... From ..... To .....
The Technical manager, (BRIDL)

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estimated cost:- 50,000 Lakhs Job code:- 014-18-000048 A/S. No:- TC/D/AS/PR/206/17-18. dt. 21/12/2017 Tech. No:- CE/DZ/TS/223/17-18. dt. 31/12/2017 W.O. No:- EE/DD/WS/86/2017-18. dt. 25/1/2017			Roode - R1878			
(1)	Earthworks excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, exeavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after protecting & roads complete as per specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per premeasurement Qty recorded in this MB at Pg. no. ~~1184/88~~ 60870 vide item no ①. i.e. 1184.87 cum Qty limited to 1168.95 cum @ Rate of 86.92/cum					=₹101605/-	
②	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal CO @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation including cost of all materials, tools & machinery, curing complete as per specifications As per premeasurement Qty recorded in this MB at pg. no 60870/2 vide items no. ②. i.e @ Rate of 5159.0/cum					48.15 cum =₹248407/-	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

60809

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
③	Providing and removing centering, shuttering, strutting propping etc and removal of formwork for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string course cost of all materials, labour complete as per specifications As per premeasurement Qty recorded in this MB at pg. no. 60872/1 vide item no ③. i.e. @ Rate of 310.58/m²					1155.60 Sqm =₹358906/-	
④	Design mix M20 with OPC cement @ 320 kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with Superplasticiser @ 3 Lts conforming to IS 9103-1999 Reaffirmed -2008 -ii) Upto 5m height. As per premeasurement Qty recorded in this MB at pg no. 60873 vide item No. (4). i.e. @ Rate of 6965.26/cum					120.36 cum = ₹ 838339/-	
(5)	Supplying, fitting and placing TMT bars Fe 500 reinforcement in sub structure complete as per drawing and specifications complete as per specifications. As per premeasurement Qty recorded in this MB at Pg. no. 60871/2 vide item no (5). i.e. Qty limited to @ Rate of 66482.14/ton					8.85 tonnes 8.75 tonnes = ₹ 581719/-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

60810

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	Supplying and fixing precast reinforced concrete Slab cover units including cost of reinforcement as per design and drawing material cost, transportation, hire Charges of machinery, machine cutting the vertical face to get plain even surface. etc. complete with all leads and lift conveyance charges, labour charges & cost of materials						
	Cross Rd Cls	1	60.00	0.75		45.00	
		1	13.00	0.75		9.75	
		1	60.00	0.75		45.00	
		1	27.00	0.75		20.25	

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಲ್‌ಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road Qty	1	60.00	0.75		45.00	
		1	13.00	0.75		9.75	
		1	60.00	0.75		45.00	
		1	28.00	0.75		21.00	
				Total Qty =		240.75 Sqm	
						= ₹ 408794/-	
	Recd 3/3/2018	@ Rate of 1698/Sqm					
(7)	Construction of granular sub base by providing coarse graded crushed stone aggregates of granite/trap/basalt material spreading uniform layers with motor graders on prepared surface, mixing by a mix in place method with double watts at OMC, and compacting with vibratory rollers to achieve the desired density, complete as per specifications.						

Sd/-
30/3/18
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

M. A. R. 57 (Rule 116) No. D

Measurement Book

60811

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per premeasurement qty recorded in this MB at pg. No. 60873/2 vide item No. (7). i.e.					219.98 Cum	
	Qty limited to					216.00 Sqm	
	@ Rate of 1518.95/Cum					= ₹ 328102/-	
(8)	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including premixing the material with water at one in mechanical mix plant conveyed & mixed method & tipper to site, laying in uniform layers with pavers to sub base/base course on well prepared surface and						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compacting with vibratory roller to achive the desired Complete as per specifications						
	As per premeasurement Qty recorded in this MB at pg No. 60874/2 vide item No. (8). i.e.					439.96 sqm	
	Qty limited to					432.00 sqm	
	@Rate ₹ 1768.08/sqm					= ₹ 763811/-	
(9)	providing and applying primercoat with SS. bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg/sqm using mechanical means complete as per Specifications						
	As per premeasurement Qty recorded in this MB at pg No. 60875/2 vide item No (9). i.e.					2199.80 sqm	

Qty

M. A. R. 57 (Rule 116) No. D

Measurement Book

60812

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Qty ltd to		2160.00 sqm	
			@ Rate ₹ 27.56/sqm			= ₹ 59536/-	
(10)	providing and applying tack coat on prepared black topped surface at 500 gm per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning) including cost of all materials.						
	As per premeasurement Qty recorded in this MB at pg No. 60876/2 vide item No. (10). i.e.					2199.80 sqm	
	Qty limited to					2160.00 sqm	
	@Rate ₹ 11.66/sqm					= ₹ 25186/-	

S. Layar
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(11)	providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment rolling with smooth wheeled vibratory and tandem rollers to achieve desired compaction by using 40/60 TPH capacity H.M.P. with mechanical paver-SF (30mm to 45mm) with VG-30 Bitumen.						
	4th cross	1	50.00 x 4.90+4.20/2		x 0.045	10.23	
		1	24.00 x 4.20+4.0/2		0.045	4.42	
		1	50.00	5.2+4.7/2	0.045	11.13	

5/3/2018

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

60813

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	18.00	4.7+4.9/2	0.045	3.88	
		1	50.00	4.4+4.8/2	0.045	10.35	
	5th cross	1	34.00	4.8+4.1/2	0.045	6.80	
		1	50.00	4.3+5.8/2	0.045	11.36	
		1	20.00	5.80	0.045	5.22	
		1	50.00	5.7+5.5/2	0.045	12.60	
		1	16.00	5.70	0.045	4.10	
		1	50.00	5.2+5.4/2	0.045	11.92	

5/3/2018

Skodayur 5/3/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8	
		1	28.00	5.50	0.045	6.93	
				Total Qty =		98.94 Cum	
				@ Velocity limited to =		97.20 Cum	
				@ Rate of 7088.98/Cum		=₹ 688563/-	

5/3/2018

(17) Disposal of debris to the final place of disposal with all lead and lift and as direction by the Engineer in-charge of the work at a lead of 40km.

Qty vide item no (1) of this work i.e 1184.87 Cum

Qty limited to. 1168.95 Cum

@ Rate of 85.65/Cum =₹100124/-

M. A. R. 57 (Rule 116) No. D

Measurement Book

60314

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8	
				Sub Total			=₹45,03,081/-
				KRIDL, GST and Labour cess charges 7+3+1 = 11%			=₹495339/-
				Total Amount			=₹4998420/-

certificate

① The work is done satisfactorily

② The contractor has removed all debris from workspot

③ There is no departmental issues made by contractor

19/3/2018

19/3/2018

Skdangwal 19/3/18

ಪ್ರಧಾನ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Work:- Drainage to roads, and chares of 4th & 5th Cross Mariyappanapalya Bagalur

Date	Full description, etc, of work	Dimensions				Contents	Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			2nd main N		2nd main N		
			1st main N				
					2nd main S		
							5th Cross
	Marenahalli Nagara						
							4th Cross
							3rd Cross
							2nd Cross
							Cross
							1st Cross
							N

EXECUTIVE ENGINEER-4
BBML, BBMP DIVISION
BANGALURU-560 010

Working of Works Supervisor

19/3/2018

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

60815

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited and admitted for Rs. .....

Passed by Cheque for Rs. .....

.....

.....

by adjustment for Rs. .....

Accounts Superintendent

Executive Engineer

B.B.M.P. Dasarahalli Division